

YAMAHA RX-495/395

Natural Sound Stereo Receiver

Ampli-syntoniseur stéréo de la série "Natural Sound"

Receptor estéreo de Sonido Natural

Thank you for selecting this YAMAHA stereo receiver.

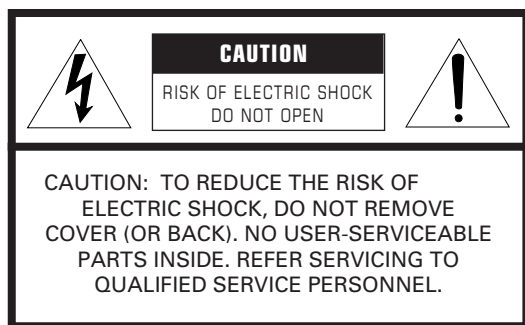
Nous vous remercions pour avoir porté votre choix sur ce récepteur stéréo YAMAHA.

Muchas gracias por haber adquirido este receptor estéreo YAMAHA.



OWNER'S MANUAL
MODE D'EMPLOI
MANUAL DE INSTRUCCIONES

SAFETY INSTRUCTIONS



• Explanation of Graphical Symbols




The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

- 1 Read Instructions – All the safety and operating instructions should be read before the unit is operated.
 - 2 Retain Instructions – The safety and operating instructions should be retained for future reference.
 - 3 Heed Warnings – All warnings on the unit and in the operating instructions should be adhered to.
 - 4 Follow Instructions – All operating and other instructions should be followed.
 - 5 Water and Moisture – The unit should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
 - 6 Carts and Stands – The unit should be used only with a cart or stand that is recommended by the manufacturer.
 - 6A A unit and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit and cart combination to overturn.
- 
- A circular warning symbol with a black border. Inside, a white silhouette shows a person pushing a cart. A diagonal line with a circle at the end is drawn over the cart, indicating a prohibition or warning against this action.
- 7 Wall or Ceiling Mounting – The unit should be mounted to a wall or ceiling only as recommended by the manufacturer.
 - 8 Ventilation – The unit should be situated so that its location or position does not interfere with its proper ventilation. For example, the unit should not be situated on a bed, sofa, rug, or similar surface, that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
 - 9 Heat – The unit should be situated away from heat sources such as radiators, stoves, or other appliances that produce heat.
 - 10 Power Sources – The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
 - 11 Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.
 - 12 Cleaning – The unit should be cleaned only as recommended by the manufacturer.
 - 13 Nonuse Periods – The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.
 - 14 Object and Liquid Entry – Care should be taken so that objects do not fall into and liquids are not spilled into the inside of the unit.
 - 15 Damage Requiring Service – The unit should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the unit; or
 - C. The unit has been exposed to rain; or
 - D. The unit does not appear to operate normally or exhibits a marked change in performance; or
 - E. The unit has been dropped, or the cabinet damaged.
 - 16 Servicing – The user should not attempt to service the unit beyond those means described in the operating instructions. All other servicing should be referred to qualified service personnel.
 - 17 Power Lines – An outdoor antenna should be located away from power lines.
 - 18 Grounding or Polarization – Precautions should be taken so that the grounding or polarization is not defeated.

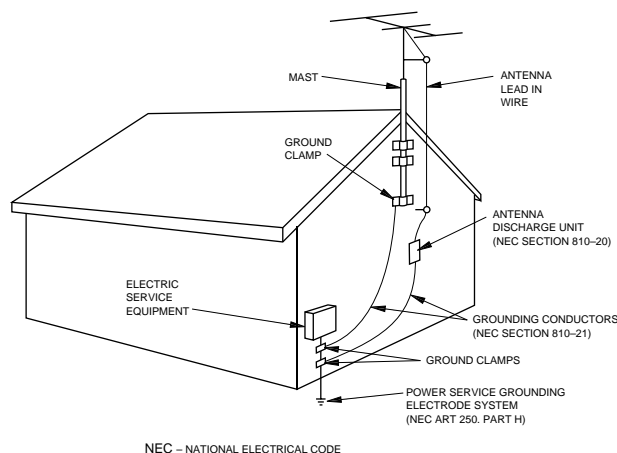
19 For US customers only:

Outdoor Antenna Grounding – If an outside antenna is connected to this unit, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

EXAMPLE OF ANTENNA GROUNDING



SPECIAL NOTES FOR FCC COMPOSITE DEVICE (for US customers only)

This device is a composite system. The digital device component may not cause harmful interference.

FCC INFORMATION (for US customers only)

1. IMPORTANT NOTICE : DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT : When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE : This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices.

This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.

Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Electronics Corp., U.S.A. 6660 Orangethorpe Ave, Buena Park, CA 90620.

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

We Want You Listening For A Lifetime (for US customers only)

YAMAHA and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing.

Since hearing damage from loud sounds is often undetectable until it is too late, YAMAHA and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.



FEATURES

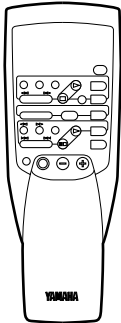

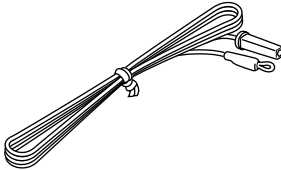
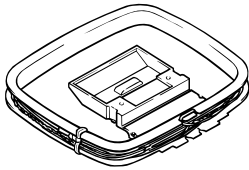
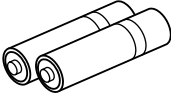
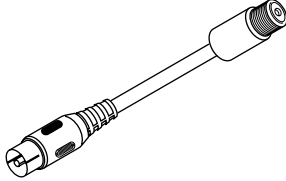
- **RX-495**
70W + 70W (8Ω) RMS Output Power,
0.04% THD, 20–20,000 Hz
- **RX-395**
45W + 45W (8Ω) RMS Output Power,
0.04% THD, 20–20,000 Hz
- High Dynamic Power, Low Impedance Drive Capability
- Continuously Variable Loudness Control
- 40-Station Random Access Preset Tuning
- Automatic Preset Tuning
- Preset Station Shifting Capability (Preset Editing)
- IF Count Direct PLL Synthesizer Tuning System
- SLEEP Timer
- Remote Control Capability
- **RX-495 only**
PURE DIRECT Switch to Reproduce the Purest Source Sound

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SUPPLIED ACCESSORIES

After unpacking, check that the following parts are contained.

Remote Control Transmitter		Indoor FM Antenna	AM Loop Antenna
<div><div>RX-495</div></div>	<div><div>RX-395</div></div>		
Batteries (size AA, R6, UM-3)		Antenna adapter <U.S.A. and Canada model only>	
			

CAUTION : READ THIS BEFORE OPERATING YOUR UNIT.

- 1 To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
- 2 Install this unit in a cool, dry, clean place – away from windows, heat sources, sources of excessive vibration, dust, moisture and cold. Avoid sources of humming (transformers, motors). To prevent fire or electrical shock, do not expose the unit to rain or water.
- 3 Do not operate the unit upside-down. It may overheat, possibly causing damage.
- 4 Never open the cabinet. If something drops into the set, contact your dealer.
- 5 The openings on the cabinet assure proper ventilation of the unit. If these openings are obstructed, the temperature inside the cabinet will rise rapidly. Therefore, avoid placing objects against these openings, and install the unit in well-ventilated condition. Make sure to allow a space of at least 10 cm behind, on the both sides and above the top panel of the unit. Otherwise it may not only damage the unit, but also cause fire.
- 6 Do not use force on switches, controls or connection wires. When moving the unit, first disconnect the power plug and the wires connected to other equipment. Never pull the wires themselves.
- 7 Do not attempt to clean the unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.
- 8 Always set the VOLUME control to “– ∞” before starting the audio source play. Increase the volume gradually to an appropriate level after the play back has been started.
- 9 To prevent lightning damage, pull out the power cord and remove the antenna cable during an electrical storm.
- 10 Be sure to read the “TROUBLESHOOTING” section regarding common operating errors before concluding that the unit is faulty.
- 11 AC outlet
Do not connect audio equipment to the AC outlet on the rear panel if that equipment requires more power than the outlet is rated to provide.
- 12 **Voltage Selector (General Model only)**
The voltage selector on the rear panel of this unit must be set for your local main voltage BEFORE plugging into the AC main supply.
Voltages are 110–120/220–240V AC, 50/60 Hz.

IMPORTANT

Please record the serial number of this unit in the space below.

Serial No.:

The serial number is located on the rear of the unit. Retain this Owner's Manual in a safe place for future reference.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

CAUTION (FOR CANADA MODEL)

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

FOR CANADIAN CUSTOMER

THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.

The apparatus is not disconnected from the AC power source as long as it is connected to the wall outlet, even if the apparatus itself is turned off.

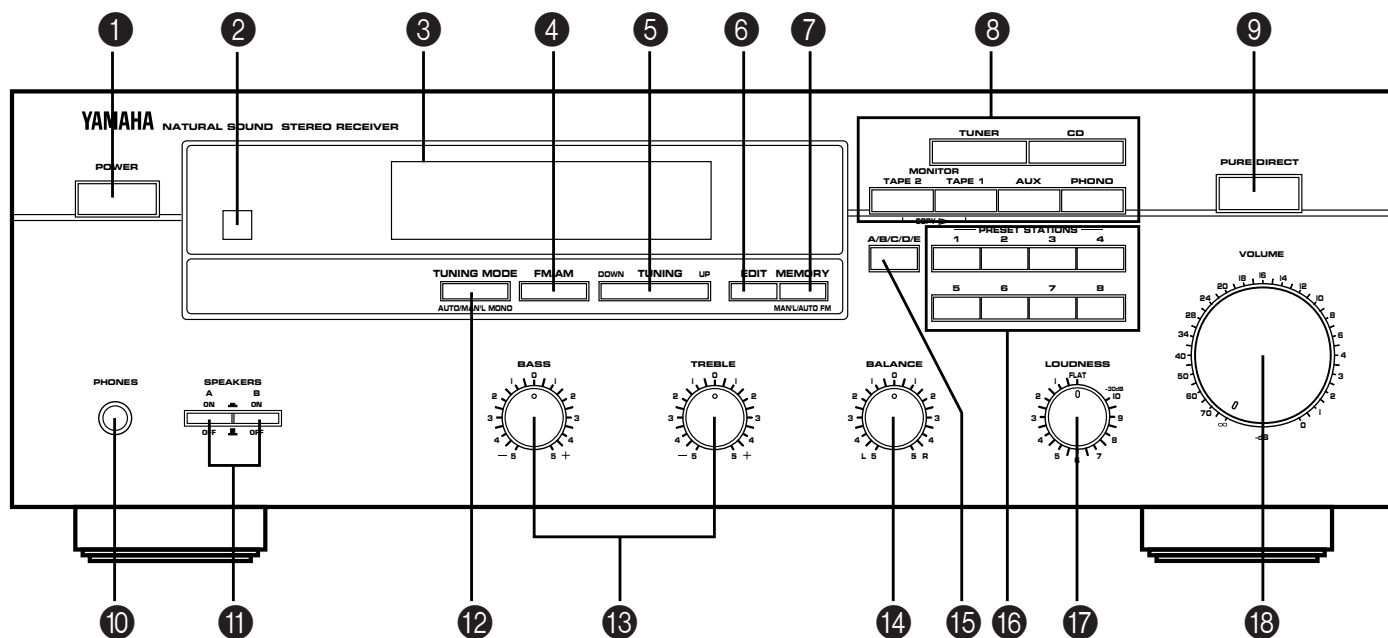
FREQUENCY STEP switch (General Model only)

Because the interstation frequency spacing differs in different areas, set the FREQUENCY STEP switch (located at the rear) according to the frequency spacing in your area. Before setting this switch, disconnect the AC power plug of this unit from the AC outlet.

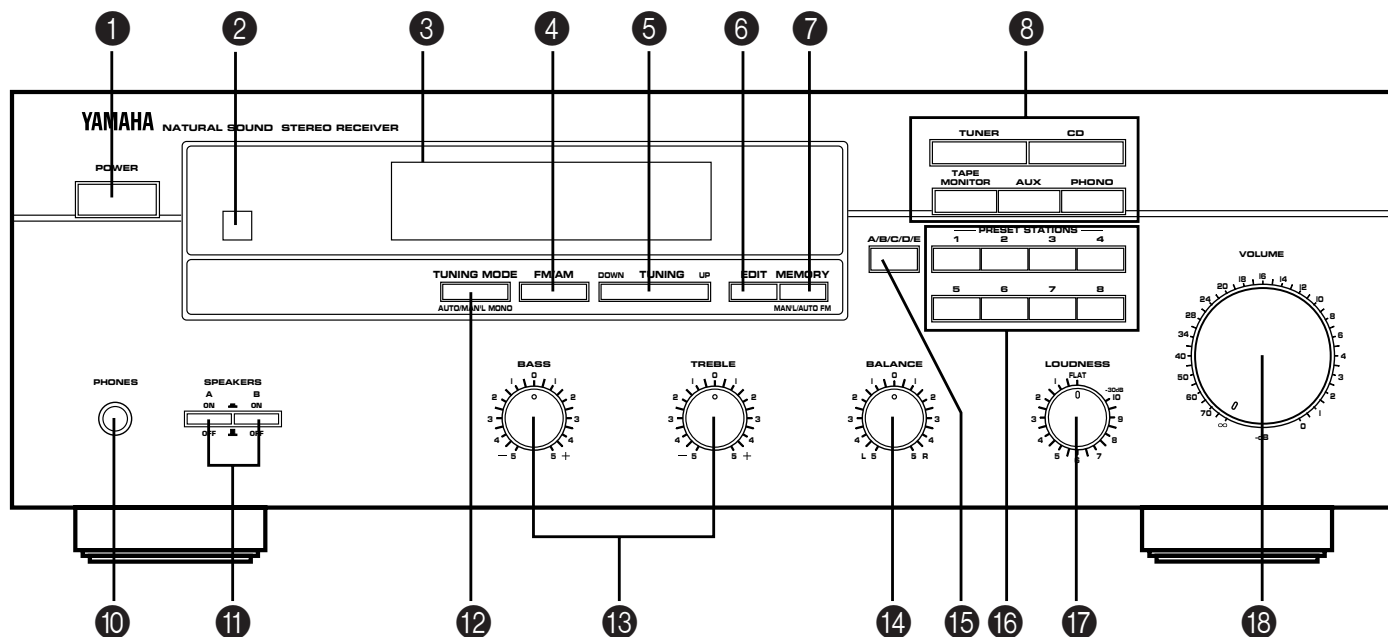
CONTROLS AND THEIR FUNCTIONS

FRONT PANEL

RX-495



RX-395



1 POWER switch

Press this switch to switch the power on. Press it again to switch the power off.

* Standby mode <Australia and Singapore models only>

While the power is on, pressing the **POWER** key on the remote control transmitter switches the unit to the standby mode. (In this mode, the power indicator is half illuminated.)

2 Remote control sensor

Receives signals from the remote control transmitter.

3 Display panel

Shows station frequencies and various information. (Refer to the next page for details.)

4 FM/AM buttons

Press this button to switch the reception band to FM or AM.

5 TUNING DOWN/UP button

Used for tuning. Press the "UP" side to tune in to higher frequencies, and press the "DOWN" side to tune in to lower frequencies.

6 EDIT button

This button is used to exchange the places of two preset stations with each other.

7 MEMORY (MAN'L/AUTO FM) button

When this button is pressed, the MEMORY indicator flashes for about 5 seconds. During this period, press the desired **PRESET STATIONS** button to enter the displayed station into the memory.

When this button is pressed and held for about 3 seconds, the automatic preset tuning begins.

8 Input selector buttons

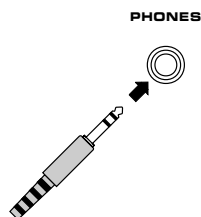
Select a program source to listen to. When a button is pressed, the name of selected source lights up on the display.

9 PURE DIRECT switch **RX-495 only**

Press this switch to listen to a source in the purest sound. (Refer to page 16 for details.)

10 PHONES jack

When you listen with headphones, connect the headphones to the **PHONES** jack. When listening with headphones privately, set both the **SPEAKERS A** and **B** switches to the **OFF** position.

**11 SPEAKERS switches**

Set the switch **A** or **B** (or both **A** and **B**) for the speaker system (connected to this unit) you will use to the **ON** position. Set the switch for the speaker system you will not use to the **OFF** position.

12 TUNING MODE (AUTO/MAN'L) button

Press this button to switch the tuning mode to automatic or manual. To select the automatic tuning mode, press this button so that "AUTO TUNING" lights up on the display. To select the manual tuning mode, press this button so that "AUTO TUNING" goes off.

13 Tone controls**BASS**

Used to increase or decrease the low frequency response. The 0 position produces flat response.

TREBLE

Used to increase or decrease the high frequency response. The 0 position produces flat response.

14 BALANCE control

Adjusts the balance of the output volume to the left and right speakers to compensate for sound imbalance caused by speaker location or listening room conditions.

15 A/B/C/D/E button

Press this button to select a desired group (A–E) of preset stations.

16 PRESET STATIONS buttons

Used to enter as many as 40 station frequencies into the memory.

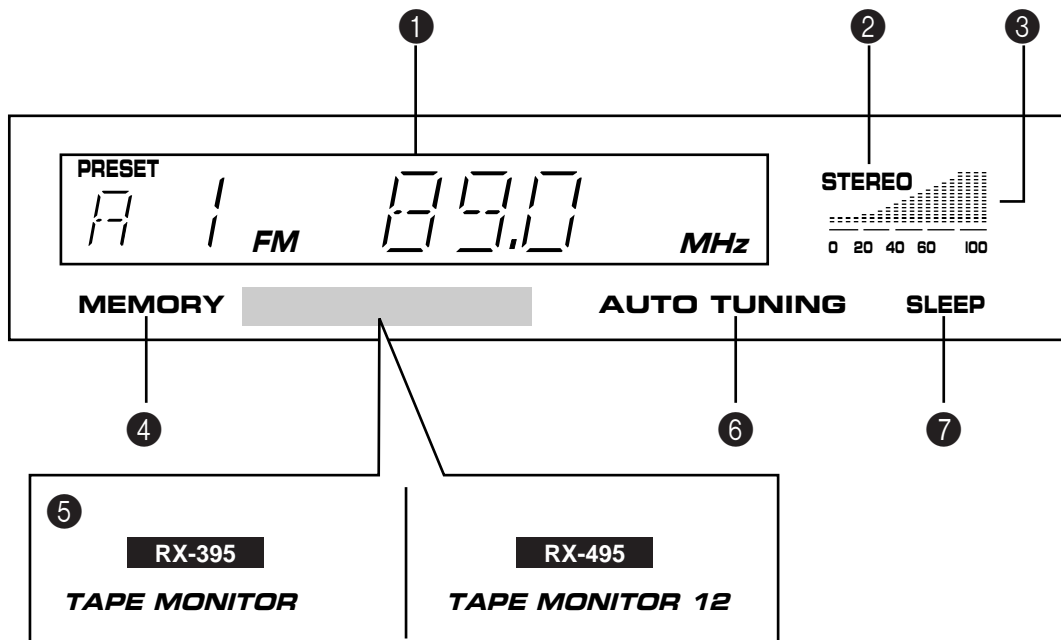
17 Continuously variable LOUDNESS control

Used to compensate for the human ears' loss of sensitivity to high and low-frequency ranges at low volume.

18 VOLUME control

Used to raise or lower the volume level.

DISPLAY PANEL



1 Multi-information display

Displays various information, for example station frequency, preset station number and name of selected program source.

2 STEREO indicator

Lights up when an FM stereo broadcast with sufficient signal strength is received.

3 Signal-level meter

Indicates the signal level of the received station. If multipath interference is detected, the indication decreases.

4 MEMORY indicator

When the **MEMORY** button is pressed, this indicator flashes for about 5 seconds. During this period, the displayed station can be programmed to the memory by using the **A/B/C/D/E** button and one of the **PRESET STATIONS** buttons.

5 TAPE MONITOR indicator

RX-395

Lights up when the tape deck is selected as the input source by pressing the **TAPE MONITOR** button.

RX-495

When the first tape deck is selected as the input source by pressing the **TAPE 1** button, "TAPE MONITOR 1" lights up, and when the second tape deck is selected by pressing the **TAPE 2** button, "TAPE MONITOR 2" lights up.

6 AUTO TUNING indicator

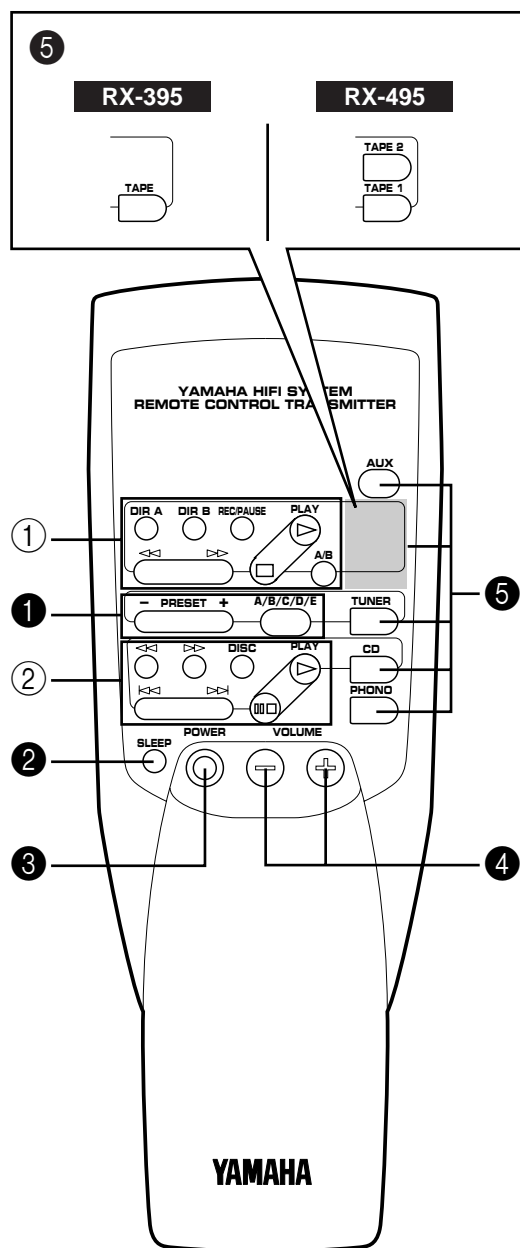
This indicator lights up when this unit is in the automatic tuning mode.

7 SLEEP indicator

Lights up while the built-in SLEEP timer is functioning.

REMOTE CONTROL TRANSMITTER

The remote control transmitter provided with this unit is designed to control all the most commonly used functions of the unit. If the CD player and tape deck connected to this unit are YAMAHA components designed for remote control compatibility, then this remote control transmitter will also control various functions of each component.



For Control of This Unit

① Tuner keys

Controls tuner.

+: Selects higher preset station number.

-: Selects lower preset station number.

A/B/C/D/E Selects the group (A – E) of preset station numbers.

② SLEEP timer key

The power to this unit is automatically turned off one hour after this key is pressed (so that “SLEEP” lights up on the display).

③ POWER key

Turns the power on/off.

* <Australia and Singapore models only>

While the power is on, pressing the **POWER** key on the remote control transmitter switches the unit from the power-on mode to the standby mode, and vice versa. (In the standby mode, the power indicator on the front panel is half illuminated.)

④ VOLUME +/- keys

Turns the volume level up/down.

⑤ Input selector keys

Selects input source.

For Other Component Control

Identify the remote control transmitter keys with your component's keys. If these keys are identical, their functions will be the same. On each key function, refer to the corresponding instruction on your component's manual.

① Tape deck keys

Controls tape deck.

* **DIR A, B** and **A/B** are applicable only to double cassette tape deck.

* For a single cassette deck with automatic reverse function, pressing **DIR A** will reverse the direction of tape running.

② CD player keys

Controls compact disc player.

* **DISC** is applicable only to compact disc changer.

CONNECTIONS

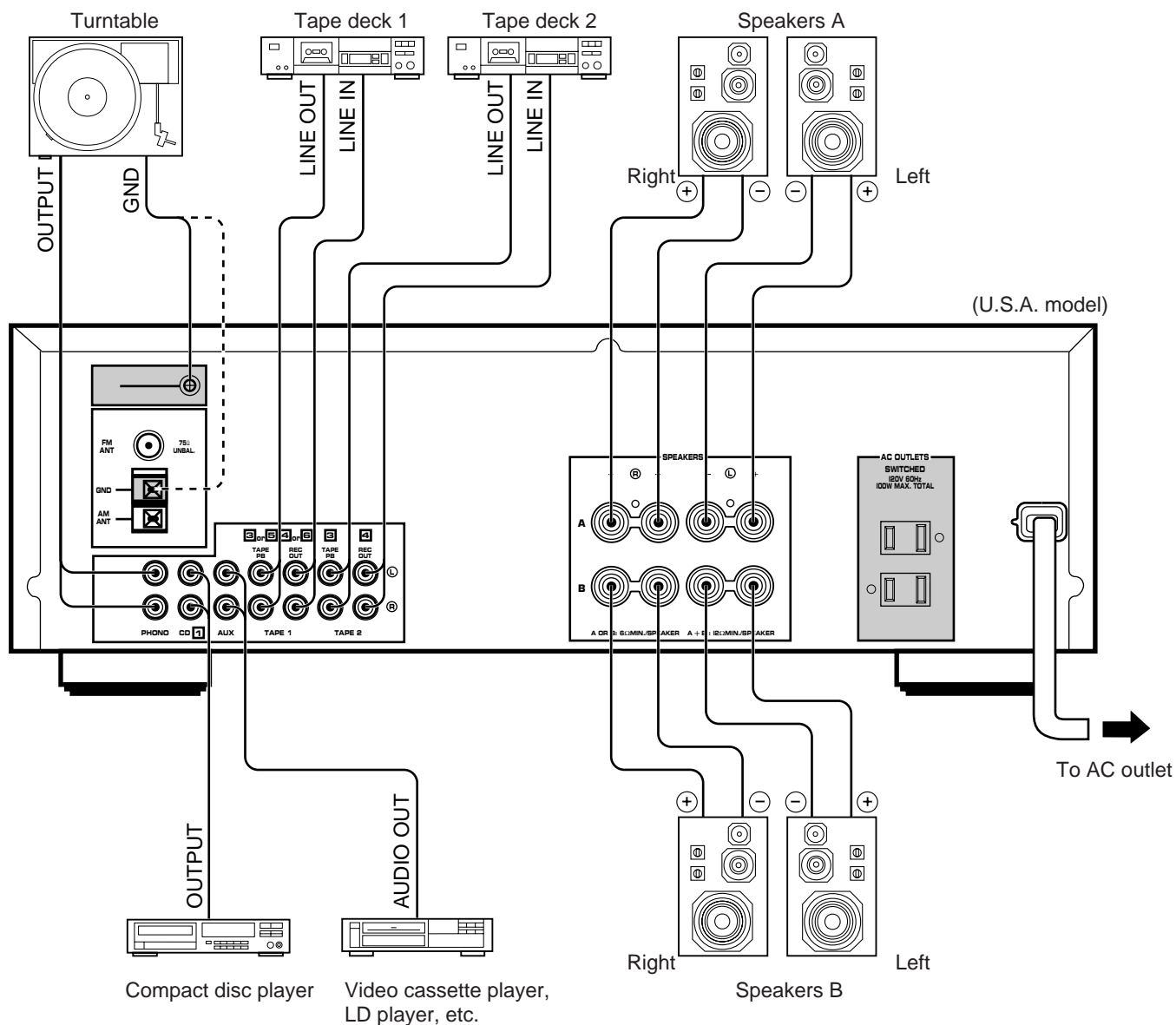
Before attempting to make any connections to or from this unit, be sure to first switch OFF the power to this unit and to any other components to which connections are being made.

CONNECTIONS WITH OTHER COMPONENTS

When making connections between this unit and other components, be sure all connections are made correctly, that is to say L (left) to L, R (right) to R, “+” to “+” and “-” to “-”. Also, refer to the owner’s manual for each component to be connected to this unit.

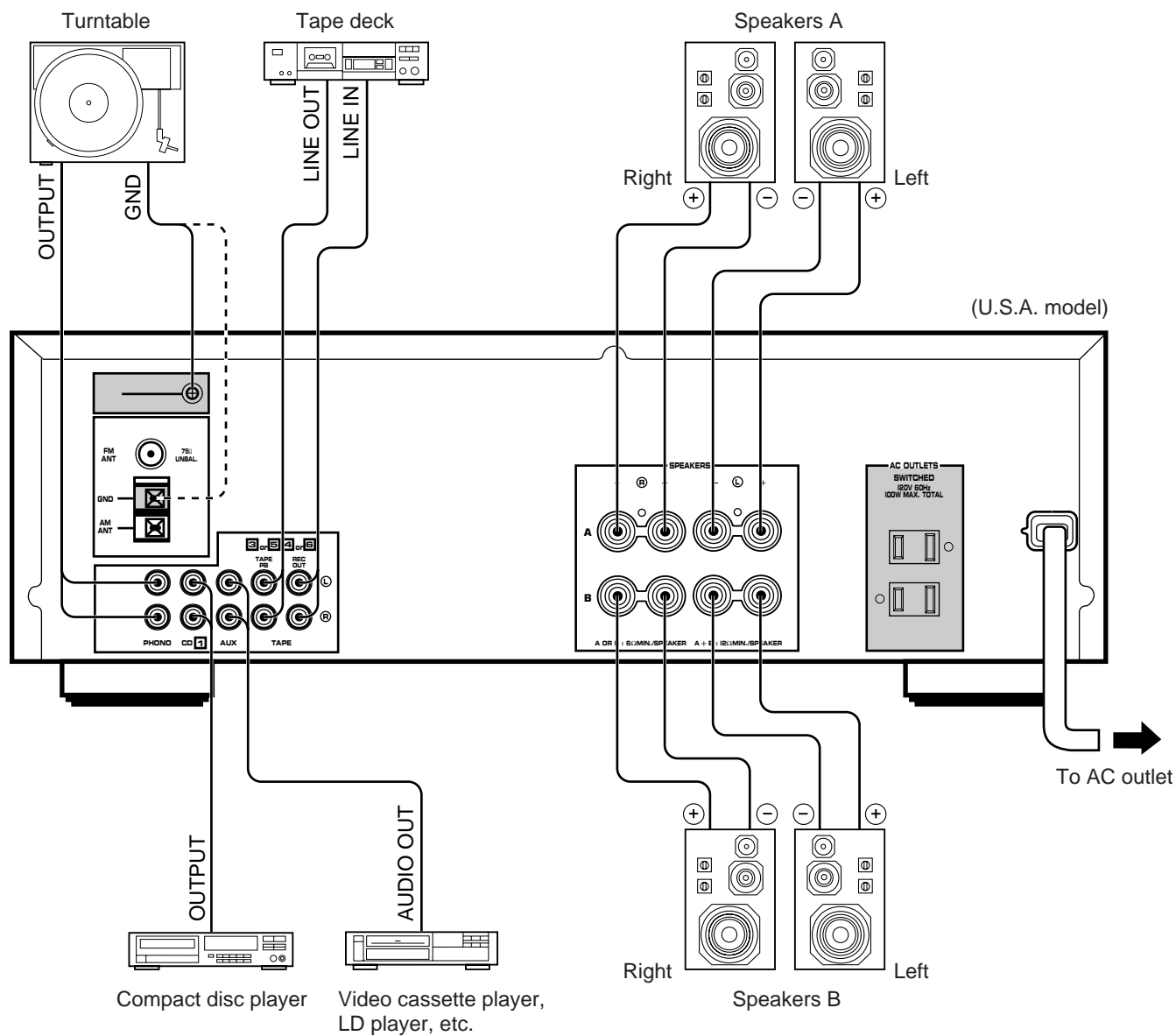
* If you have YAMAHA components numbered as 1, 2, 3, etc. on the rear panel, connections can be made easily by making sure to connect the output (or input) terminals of each component to the same-numbered terminals of this unit.

RX-495



 : Refer to “**ABOUT THE ACCESSORY TERMINALS**” on page 12.

RX-395



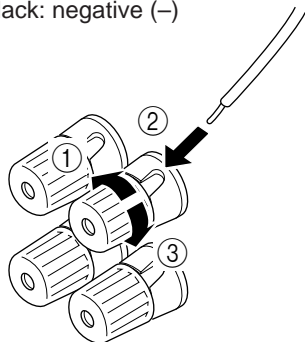
Refer to "ABOUT THE ACCESSORY TERMINALS" on page 12.

CONNECTING SPEAKERS

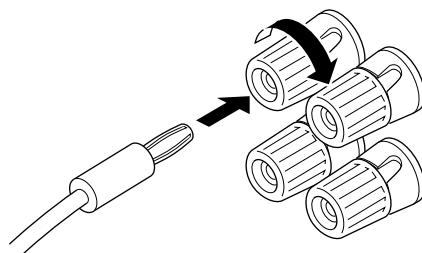
Connect the **SPEAKERS** terminals to your speakers with wire of the proper gauge, cut as short as possible. If the connections are faulty, no sound will be heard from the speakers. Make sure that the polarity of the speaker wires is correct, that is, + and – markings are observed. If these wires are reversed, the sound will be unnatural and will lack bass. **Do not let the bare speaker wires touch each other and do not let them touch the metal parts of this unit as this could damage this unit and/or speakers.**

How to Connect:

Red: positive (+)
Black: negative (–)



- ① Unscrew the knob.
- ② Insert the bare wire.
[Remove approx. 5mm (1/4") insulation from the speaker wires.]
- ③ Tighten the knob and secure the wire.



Notes

- One or two speaker systems can be connected to this unit. If you connect only one speaker system, connect it to either the **SPEAKERS A** or **B** terminals.
- Use speakers with the specified impedance shown on the rear of this unit.
- **<U.S.A., Canada, Australia and General models only>** Banana Plug connections are also possible. Simply insert the Banana Plug connector into the corresponding terminal.

ABOUT THE ACCESSORY TERMINALS

AC OUTLETS (SWITCHED)

(U.S.A., Canada, Singapore and General models)

..... 2 SWITCHED OUTLETS
(Australia model) 1 SWITCHED OUTLET

Use these to connect the power cords from your components to this unit.

The power to the **SWITCHED** outlets is controlled by this unit's **POWER** switch or the provided remote control transmitter's **POWER** key. These outlets will supply power to any component whenever this unit is turned on.

The maximum power (total power consumption of components) that can be connected to the **SWITCHED AC OUTLETS** is 100 watts.

GND terminal (For turntable use)

Connecting the ground wire of the turntable to the **GND** terminal will normally minimize hum, but in some cases better results may be obtained with the ground wire disconnected. Use one of the two **GND** terminals on the rear of this unit for the connection.

